

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	218	"4-phenylbutyrate"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:55
L2	218	L1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:55
L3	12968	aspartame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:56
L4	4322	acesulfame	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:56
L5	3751	L3 and L4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:56
L6	1	L1 and L5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:56
L7	25	L1 and L3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/12/10 09:57

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NEWS	3	JUL 02	SCISEARCH enhanced with complete author names
NEWS	4	JUL 02	CHEMCATS accession numbers revised
NEWS	5	JUL 02	CA/Caplus enhanced with utility model patents from China
NEWS	6	JUL 16	Caplus enhanced with French and German abstracts
NEWS	7	JUL 18	CA/Caplus patent coverage enhanced
NEWS	8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	9	JUL 30	USGENE now available on STN
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NEWS	11	AUG 06	FSTA enhanced with new thesaurus edition
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NEWS	13	AUG 20	CA/Caplus enhanced with CAS indexing in pre-1907 records
NEWS	14	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	15	AUG 27	USPATOLD now available on STN
NEWS	16	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS	17	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS	18	SEP 13	FORIS renamed to SOFIS
NEWS	19	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS	20	SEP 17	CA/Caplus enhanced with printed CA page images from 1967-1998
NEWS	21	SEP 17	Caplus coverage extended to include traditional medicine patents
NEWS	22	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS	23	OCT 02	CA/Caplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS	24	OCT 19	BEILSTEIN updated with new compounds
NEWS	25	NOV 15	Derwent Indian patent publication number format enhanced
NEWS	26	NOV 19	WPIX enhanced with XML display format
NEWS	27	NOV 30	ICSD reloaded with enhancements
NEWS	28	DEC 04	LINPADOCDB now available on STN
NEWS EXPRESS	19	SEPTEMBER 2007:	CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.
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NEWS IPC8			For general information regarding STN implementation of IPC 8

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FILE 'HOME' ENTERED AT 10:46:38 ON 10 DEC 2007

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COST IN U.S. DOLLARS

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0.21	0.21

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 10:46:58 ON 10 DEC 2007
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=> s 1716-12-7
L1 315 1716-12-7

=> s Buphenyl
L2 25 BUPHENYL

=> s 4-phenylbutyrate
L3 688 4-PHENYLBUTYRATE

=> s sodium phenylbutyrate
L4 451 SODIUM PHENYLBUTYRATE

=> s L1 or L2 or L3 or L4
L5 1173 L1 OR L2 OR L3 OR L4

=> dup rem L5
PROCESSING COMPLETED FOR L5
L6 756 DUP REM L5 (417 DUPLICATES REMOVED)

=> s L6 and (AY<2003 or PY<2003 or PRY<2003)
'2003' NOT A VALID FIELD CODE
'2003' NOT A VALID FIELD CODE
2 FILES SEARCHED...
'2003' NOT A VALID FIELD CODE
'2003' NOT A VALID FIELD CODE
'2003' NOT A VALID FIELD CODE
'2003' NOT A VALID FIELD CODE
L7 458 L6 AND (AY<2003 OR PY<2003 OR PRY<2003)

=> s aspartame
L8 8428 ASPARTAME

=> s L7 and L8
L9 1 L7 AND L8

=> d L9 ibib abs

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2004:633292 CAPLUS
 DOCUMENT NUMBER: 141:179612
 TITLE: Pharmaceutical composition and method for treatment of
 a urea cycle deficiency or sickle-cell anemia
 INVENTOR(S): March, Graham Alan
 PATENT ASSIGNEE(S): Special Products Limited, UK
 SOURCE: U.S. Pat. Appl. Publ., 11 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004152784	A1	20040805	US 2003-622891	20030717 <--
PRIORITY APPLN. INFO.:			US 2002-397828P	P 20020723 <--

AB A pharmaceutical composition is disclosed comprising sodium 4-phenylbutyrate, an effective amount of at least one aromatic flavoring agent, and an effective amount of at least one synthetic sweetening agent. Also disclosed is a method of treatment of a urea cycle deficiency or sickle-cell anemia.

=> s acesulfame
 L10 1789 ACESULFAME

=> s L7 and L10
 L11 1 L7 AND L10

=> s L8 and L10
 L12 1198 L8 AND L10

=> s L12 and (AY<2003 or PY<2003 or PRY<2003)
 '2003' NOT A VALID FIELD CODE
 '2003' NOT A VALID FIELD CODE
 2 FILES SEARCHED...
 '2003' NOT A VALID FIELD CODE
 '2003' NOT A VALID FIELD CODE
 '2003' NOT A VALID FIELD CODE
 '2003' NOT A VALID FIELD CODE
 L13 691 L12 AND (AY<2003 OR PY<2003 OR PRY<2003)

=> s flavoring agent
 L14 6678 FLAVORING AGENT

=> s L13 and L14
 L15 31 L13 AND L14

=> s aromatic
 L16 643261 AROMATIC

=> s L15 and L16
 L17 1 L15 AND L16

=> s L15 and fruit
 L18 11 L15 AND FRUIT

=> dup rem L18
 PROCESSING COMPLETED FOR L18
 L19 10 DUP REM L18 (1 DUPLICATE REMOVED)

=> d L11 ibib abs

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:633292 CAPLUS
DOCUMENT NUMBER: 141:179612
TITLE: Pharmaceutical composition and method for treatment of
a urea cycle deficiency or sickle-cell anemia
INVENTOR(S): March, Graham Alan
PATENT ASSIGNEE(S): Special Products Limited, UK
SOURCE: U.S. Pat. Appl. Publ., 11 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004152784	A1	20040805	US 2003-622891	20030717 <--
PRIORITY APPLN. INFO.:			US 2002-397828P	P 20020723 <--

AB A pharmaceutical composition is disclosed comprising sodium 4-phenylbutyrate, an effective amount of at least one aromatic flavoring agent, and an effective amount of at least one synthetic sweetening agent. Also disclosed is a method of treatment of a urea cycle deficiency or sickle-cell anemia.

=> d L17 ibib abs

L17 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:633292 CAPLUS
DOCUMENT NUMBER: 141:179612
TITLE: Pharmaceutical composition and method for treatment of
a urea cycle deficiency or sickle-cell anemia
INVENTOR(S): March, Graham Alan
PATENT ASSIGNEE(S): Special Products Limited, UK
SOURCE: U.S. Pat. Appl. Publ., 11 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004152784	A1	20040805	US 2003-622891	20030717 <--
PRIORITY APPLN. INFO.:			US 2002-397828P	P 20020723 <--

AB A pharmaceutical composition is disclosed comprising sodium 4-phenylbutyrate, an effective amount of at least one arom. flavoring agent, and an effective amount of at least one synthetic sweetening agent. Also disclosed is a method of treatment of a urea cycle deficiency or sickle-cell anemia.

=> d L19 1-10 ibib abs

L19 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:409042 CAPLUS
DOCUMENT NUMBER: 142:462727
TITLE: Flavor-sweetener additive for enhancing the
desirability of a breakfast cereal or "bread".
INVENTOR(S): Pearce, Tony M.
PATENT ASSIGNEE(S): Edizione, Lc, USA
SOURCE: U.S. Pat. Appl. Publ., 19 pp., Cont.-in-part of U.S.
Ser. No. 325,721.

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005100651	A1	20050512	US 2004-934794	20040902 <--
US 2003224090	A1	20031204	US 2002-325721	20021220 <--
US 2003232177	A1	20031218	US 2003-364923	20030211 <--
US 2003236313	A1	20031225	US 2003-364903	20030211 <--
US 7138079	B2	20061121		
US 2003236339	A1	20031225	US 2003-364912	20030211 <--
US 6943198	B2	20050913		
US 2003234462	A1	20031225	US 2003-364921	20030211 <--
US 2004002560	A1	20040101	US 2003-364931	20030211 <--
US 7101247	B2	20060905		
US 2004009875	A1	20040115	US 2003-364902	20030211 <--
US 6890883	B2	20050510		
US 2004048018	A1	20040311	US 2003-364918	20030211 <--
PRIORITY APPLN. INFO.:			US 2002-356279P	P 20020211 <--
			US 2002-368821P	P 20020401 <--
			US 2002-325721	A2 20021220 <--

AB Methods and substances for creating a balanced flavoring agent for breakfast cereals and "breads" comprise balancing the sweetness levels by sweetener addition

L19 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2005:409041 CAPLUS
DOCUMENT NUMBER: 142:446389
TITLE: Method for a consumer to flavor a food or beverage using three or more balanced flavoring agents
INVENTOR(S): Pearce, Tony M.
PATENT ASSIGNEE(S): Edizione, Lc, USA
SOURCE: U.S. Pat. Appl. Publ., 19 pp., Cont.-in-part of U.S. Ser. No. 325,721.

CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 20
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005100648	A1	20050512	US 2004-934948	20040902 <--
US 2003224090	A1	20031204	US 2002-325721	20021220 <--
US 2003232177	A1	20031218	US 2003-364923	20030211 <--
US 2003236313	A1	20031225	US 2003-364903	20030211 <--
US 7138079	B2	20061121		
US 2003236339	A1	20031225	US 2003-364912	20030211 <--
US 6943198	B2	20050913		
US 2003234462	A1	20031225	US 2003-364921	20030211 <--
US 2004002560	A1	20040101	US 2003-364931	20030211 <--
US 7101247	B2	20060905		
US 2004009875	A1	20040115	US 2003-364902	20030211 <--
US 6890883	B2	20050510		
US 2004048018	A1	20040311	US 2003-364918	20030211 <--
PRIORITY APPLN. INFO.:			US 2002-356279P	P 20020211 <--
			US 2002-368821P	P 20020401 <--
			US 2002-325721	A2 20021220 <--

AB Methods and substances for creating a balanced flavoring agent comprise balancing the sweetness levels of three or more

sweeteners instead of balancing them by weight or volume

L19 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:633292 CAPLUS

DOCUMENT NUMBER: 141:179612

TITLE: Pharmaceutical composition and method for treatment of a urea cycle deficiency or sickle-cell anemia

INVENTOR(S): March, Graham Alan

PATENT ASSIGNEE(S): Special Products Limited, UK

SOURCE: U.S. Pat. Appl. Publ., 11 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004152784	A1	20040805	US 2003-622891	20030717 <--
PRIORITY APPLN. INFO.:			US 2002-397828P	P 20020723 <--
AB	A pharmaceutical composition is disclosed comprising sodium 4-phenylbutyrate, an effective amount of at least one aromatic flavoring agent, and an effective amount of at least one synthetic sweetening agent. Also disclosed is a method of treatment of a urea cycle deficiency or sickle-cell anemia.			

L19 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:716092 CAPLUS

DOCUMENT NUMBER: 137:237763

TITLE: Taste masked liquid pharmaceutical compositions

INVENTOR(S): Ulrich, Stephen A.; Zimm, Karen R.; Marc, Karel Jozef Francois; Willy, Maria Albert Carlo Dries

PATENT ASSIGNEE(S): Ortho-McNeil Pharmaceutical, Inc., USA

SOURCE: PCT Int. Appl., 46 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002072102	A1	20020919	WO 2002-US5794	20020226 <--
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2440412	A1	20020919	CA 2002-2440412	20020226 <--
AU 2002258416	A1	20020924	AU 2002-258416	20020226 <--
US 2003032600	A1	20030213	US 2002-83776	20020226 <--
US 6806256	B2	20041019		
EP 1372662	A1	20040102	EP 2002-728359	20020226 <--
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
BR 2002007930	A	20040302	BR 2002-7930	20020226 <--
JP 2004535370	T	20041125	JP 2002-571061	20020226 <--
MX 2003PA08056	A	20041015	MX 2003-PA8056	20030904 <--
US 2005118205	A1	20050602	US 2004-949278	20040924 <--
PRIORITY APPLN. INFO.:			US 2001-273472P	P 20010305 <--

US 2002-83776 A 20020226 <--

WO 2002-US5794 W 20020226 <--

AB A taste masked liquid pharmaceutical composition comprises a drug and a taste masking compound. In particular, the taste masking composition comprises a taste

masking effective amount of an artificial sweetener. Thus, a suspension contained levofloxacin hemihydrate 1-5.2, glycerin 2.5-20, sucrose 10-60, high fructose corn syrup (55%) 20-75, microcryst. cellulose and sodium CM-cellulose 0.1-1.4, sodium benzoate 0.01-0.5, propylparaben 0.01-0.03, butylparaben 0.006-0.05, citric acid 0.005-1.0, sucralose 0.05-2.5, xanthan gum 0.05-0.25, flavoring agent 0.02-0.06, debittering agent 0.0-1.0, sweetening agent 0.0-121.5 and water to 100%.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN DUPLICATE 1

ACCESSION NUMBER: 2002:476176 CAPLUS

DOCUMENT NUMBER: 138:105862

TITLE: Influence of compounds associated with fermented dairy products on the growth of lactic acid starter and probiotic bacteria

AUTHOR(S): Vinderola, C. G.; Costa, G. A.; Regenhardt, S.; Reinheimer, J. A.

CORPORATE SOURCE: Facultad de Ingenieria Quimica, Programa de Lactologia Industrial, Universidad Nacional del Litoral, Santa Fe, 3000, Argent.

SOURCE: International Dairy Journal (2002), 12(7), 579-589

CODEN: IDAJE6; ISSN: 0958-6946

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB The growth of 24 strains of lactic acid starter bacteria (*Streptococcus thermophilus*, *Lactobacillus delbrueckii* subsp. *bulgaricus* and *Lactococcus lactis*) and 24 strains of probiotic bacteria (*Lactobacillus acidophilus*, *Lactobacillus casei*, *Lactobacillus paracasei*, *Lactobacillus rhamnosus* and *bifidobacteria*) in liquid media containing different substances was assessed. The substances used were salts (NaCl and KCl); sugars (sucrose and lactose); sweeteners (acesulfame and aspartame); aroma compds. (diacetyl, acetaldehyde and acetoin); natural colorings for fermented milk (red, yellow and orange colorings); flavoring agents (strawberry, vanilla, peach and banana essences); flavoring-coloring agents (strawberry, vanilla and peach); nisin, natamycin and lysozyme. Bacterial growth in the presence of natural fruit juices (green apple, kiwi, pineapple, peach and strawberry) with or without neutralization and cell viability in lactic acid acidified (pH 4 and 5) milk for 4 wk at 5°C were also studied. Some compds. (KCl, sweeteners, aroma compds., natamycin, flavoring agents and the peach flavoring-coloring agent) did not influence the growth of the strains in the concns. commonly used in the dairy industry. The effect of other substances (especially flavoring-coloring agents)

on the growth of lactic acid starters and probiotic bacteria was strain-dependent. Natural fruit juices weakly inhibited mainly *S. thermophilus* strains. Cell viability during cold storage in acidified milk was satisfactory for *L. delbrueckii* subsp. *bulgaricus* and *L. casei* group strains. For *L. acidophilus* and *Bifidobacterium*, the decreases in cell counts at pH 5 were negligible. Nevertheless, decreases from 1.6 to 6.2 and from 0.1 to 7.6 log orders, resp. were observed at pH 4.

REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2000:95929 CAPLUS

DOCUMENT NUMBER: 132:141961
 TITLE: Phenylbutazone carrier formulation for administration to horses
 INVENTOR(S): Gordon, Douglas J.
 PATENT ASSIGNEE(S): Superior Equine Pharmaceuticals, Inc., USA
 SOURCE: U.S., 8 pp.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6022563	A	20000208	US 1999-240809	19990201 <--
PRIORITY APPLN. INFO.:			US 1998-73707P	P 19980204 <--

AB A powdered carrier formulation for delivery of phenylbutazone to animals contains phenylbutazone in combination with a flavoring agent and an anticaking agent. The carrier provides improved absorption into the horse's blood stream. A mixture was prepared containing phenylbutazone 100, saccharin 10, fresh green apple flavor 6, aspartame 4, and Flogard 4 kg. The mixture was blended and the finished product was tested for bacteria and potency before packaging in individual doses containing phenylbutazone 1, saccharin 0.1, fresh green apple flavor 0.06, aspartame 0.04, and Flogard 0.04 g per 3.5 mL spoonful of packed powder.

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 7 OF 10 EMBASE COPYRIGHT (c) 2007 Elsevier B.V. All rights reserved on STN

ACCESSION NUMBER: 1994176390 EMBASE
 TITLE: [Food additives. Flavoring agents].
 ZUSATZSTOFFE IN LEBENSMITTELN. GESCHMACKSSTOFFE.
 AUTHOR: Bender H.
 CORPORATE SOURCE: Dr. H. Bender, Buchenwaldstrasse 7, 65193 Wiesbaden, Germany
 SOURCE: Pharmazeutische Zeitung, (1994) Vol. 139, No. 21, pp. 28+30.
 ISSN: 0031-7136 CODEN: PZSED5
 COUNTRY: Germany
 DOCUMENT TYPE: Journal; (Short Survey)
 FILE SEGMENT: 029 Clinical and Experimental Biochemistry
 037 Drug Literature Index
 LANGUAGE: German
 SUMMARY LANGUAGE: German
 ENTRY DATE: Entered STN: 20 Jul 1994
 Last Updated on STN: 20 Jul 1994

L19 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:590093 CAPLUS
 DOCUMENT NUMBER: 113:190093
 TITLE: Unpleasant taste masking compositions and methods for preparing them
 INVENTOR(S): Cherukuri, Subraman Rao; Wong, Lucy Lee; Faust, Steven Michael
 PATENT ASSIGNEE(S): Warner-Lambert Co., USA
 SOURCE: Eur. Pat. Appl., 15 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 371584	A2	19900606	EP 1989-309064	19890907 <--
EP 371584	A3	19900919		
EP 371584	B1	19950201		
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
US 5013716	A	19910507	US 1988-264281	19881028 <--
ES 2067548	T3	19950401	ES 1989-309064	19890907 <--
CA 1337589	C	19951121	CA 1989-610937	19890911 <--
NO 8904267	A	19900430	NO 1989-4267	19891026 <--
DK 8905369	A	19900429	DK 1989-5369	19891027 <--
DK 174894	B1	20040202		
AU 8943876	A	19900503	AU 1989-43876	19891027 <--
JP 02177870	A	19900710	JP 1989-278757	19891027 <--
JP 3060462	B2	20000710		
ZA 8908199	A	19910327	ZA 1989-8199	19891027 <--

PRIORITY APPLN. INFO.: US 1988-264281 A 19881028 <--

AB Unpleasant tastes associated with certain flavoring agents
, e.g. spearmint oil for chewing gum or pharmaceuticals, are masked using
non-bitter, intensely sweet flavoring agents, e.g.,
sucralose. Chewing gum preps. made with high concns. of sucralose (1000
ppm) were found to have a better flavor, lacking the off-note of spearmint
oil, than lower concns. of sucralose, aspartame,
acesulfame K, or saccharin.

L19 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:54096 CAPLUS
DOCUMENT NUMBER: 112:54096
TITLE: Chewing gum containing aspartic acid-derived sweetener
and its stabilization
PATENT ASSIGNEE(S): Warner-Lambert Co., USA
SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01043153	A	19890215	JP 1988-188585	19880729 <--
ZA 8804563	A	19890329	ZA 1988-4563	19880624 <--

PRIORITY APPLN. INFO.: US 1987-79849 A 19870730 <--

AB A method of stabilizing sweeteners derived from L-aspartic acid such as
aspartame is disclosed. The method comprises preparing (1) a gum
base, a free sweetener, and organic acids; and (2) a gum base containing
flavoring agents and water-containing agents. The
ingredients 1 and 2 are arranged to form a surface-to-surface relation, or
optionally the sweetener is encapsulated, so that the sweetener is not
contacted with the flavoring agents and water in 2 to
ensure its stability. In chewing gum containing encapsulated
aspartame, aspartame conversion to diketopiperazine
(less sweet) was inhibited.

L19 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1987:596785 CAPLUS
DOCUMENT NUMBER: 107:196785
TITLE: Encapsulation composition for use with chewing gum and
edible products
INVENTOR(S): Yang, Robert K.
PATENT ASSIGNEE(S): Warner-Lambert Co., USA
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
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EP 229000	A2	19870715	EP 1986-810619	19861231 <--
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R: DE, ES, FR, GB, GR, NL, SE				
ZA 8609190	A	19870826	ZA 1986-9190	19861204 <--
AU 8666708	A	19870709	AU 1986-66708	19861218 <--
AU 581114	B2	19890209		
JP 01051981	B	19891107	JP 1987-240	19870106 <--
US 4740376	A	19880426	US 1987-67895	19870629 <--
US 4929447	A	19900529	US 1987-67894	19870629 <--
JP 02000408	A	19900105	JP 1989-84173	19890404 <--
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AB A method and composition for protecting an active ingredient and providing controlled release therefore, especially in a chewing gum composition, includes a high mol. weight poly(vinyl acetate) blended with a hydrophobic plasticizer (5:1-1:5, preferably 2:1-1:2) which forms a film with the high-mol.-weight poly(vinyl acetate) in the absence of an added solvent therefore. The active ingredient, such as the artificial sweetener aspartame, is blended into the encapsulating composition, e.g. by melt blend (1:1-1:10, preferably 1:3-1:5), which can then be cooled to a solid and ground into particulate. The encapsulated active ingredient can then be used in a composition for ingestion by a human in the form of e.g. a chewing gum with extended shelf life and highly controlled release of the active ingredient. Aspartame 40 g was encapsulated with a poly(vinyl acetate)-glyceryl monostearate (50 g:100 g) mixture by melt blending (85°), cooled, and ground to 30 mesh. These particulates were used at 2.6% to sweeten a gum- and sorbitol-based chewing gum.